

~~TOP SECRET~~

IDEA 0889  
Copy 4 of 4

21 JUL 1962

**MEMORANDUM FOR THE RECORD**

**SUBJECT: USAF Estimate of MIG-21**

1. Combat ceiling: 51,200 ft.
2. Zoom climb: with initiated climb from level flight at 38,000 ft, Mach 2.5. Zoom can be made to 70,000 ft. and level flight maintained at that altitude up to four minutes.
3. Radius of action: subsonic
  - a. 290 NM without tanks.
  - b. 380 NM with tanks.
4. Missile capability:
  - a. IR and beam rider.
5. AI capability:
  - a. Tail chase: 10 mile search; 7 mile lock on.
  - b. 90° beam: 15 mile search; 10 mile lock on.
  - c. Head on: 12 mile search; 8 mile lock on.

SIGNED

[Redacted Signature Box]

Chief, Operations Division, OSA

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USAF review(s) completed.

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OSA/OD/ [ ] (17 Sept 62)

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